

(Example & Comparative example about zeolite)

Kind of zeolite	SiO ₂ /Al ₂ O ₃ mol ratio	cation content (mass %)	example 2	example 3	example 4	Adsorption capacity mg S/gr adsorbent	example 5	example 6	example 7	example 8	example 9
H-X zeolite	5.5	3	9.3 2.1	8.5 3.1	7.3 2.1	1.8 1.8	4.6 6.1	2.2 6.1	1.8 7.1	0.3 8.1	—
H-Y zeolite	6	0.2	1.0 2.2	1.2 3.2	7.6 4.2	5.2 7.2	7.8 6.2	5.2 6.2	6.6 7.2	0.9 8.2	0.8 9.1
H-Y zeolite	3.0	0.03	5.2 2.3	8 3.3	2.6 4.3	1.2 5.3	3 5.3	1.9 6.3	1.2 7.3	0.0 8.3	—
H-mordenite	18.3	0.2	—	—	—	—	—	—	—	—	—
H-B zeolite	2.7	0.02	1.2 2.4	1.2 3.5	3.7 4.4	—	—	4.0 6.4	5.3 7.4	0.9 8.4	1.0 9.2
NaY zeolite	5.5	8	9.1 C2-1	0 C3-1	2.7 C4-1	0 C5-1	0 C5-1	—	—	—	0.4 C9-1
NaX zeolite	2.5	1.2	7.6 C2-2	3 C3-2	—	1.3 C5-2	1.3 C5-2	1.7 C6-1	1.8 C7-1	0.3 C8-1	0.5 C9-2
KL zeolite	6.1	7.2	3.6 C2-3	1 C3-3	—	0 C5-3	0 C5-3	—	—	—	0.2 C9-3
Na mordenite	18.3	4	1.6 C2-4	1 C3-4	4 C4-2	0 C5-4	0 C5-4	—	—	—	—
K ferrierite	18.2	3	5 C2-5	0 C3-5	2 C4-3	0 C5-5	0 C5-5	—	—	—	—

9.3	Adsorption rate
2-1	Example number
9.1	Adsorption rate
C2-1	Comparative example number